

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Previously Presented) A device for recording information in blocks having logical addresses, the device comprising:

a recording unit for recording marks in a track on a record carrier representing the information,

a controller for controlling the recording by locating each block at a physical address in the track, the controller comprising:

addressing means for translating the logical addresses into the physical addresses and vice versa in dependence of defect management information,

defect management means for detecting track defects and maintaining the defect management information in defect management areas on the record carrier, the defect management information including assignment information indicative of assignment of physical addresses in first parts of the track to at least one user data area, and assignment of physical addresses in second parts of the track to defect management areas, and the

defect management information including remapping information indicative for translating a logical address initially mapped to a physical address exhibiting a defect to an alternate physical address in a defect management area, and

assignment means for adapting the assignment information depending on a detected defect, detected during recording, by creating new defect management area having a starting physical address near the detected defect, wherein the new defect management area is preceded by a user data area or a free area and is followed by a user data area or a free area, a free area being an area free to be assigned either as a user data area or a new defect management area.

2.(Withdrawn) The device as claimed in claim 1, wherein the new defect management area includes the detected defect.

3.(Withdrawn) The device as claimed in claim 1, wherein the new defect management area has a predefined size, or a size based on defect parameters of a preceding or following recording area, including at least one of an amount and distribution of defect management areas already assigned, an amount of user area between the new defect management area and a preceding or following defect management area, and/or detected defects.

Claim 4 (Canceled)

5.(Previously Presented) The device as claimed in claim 1, wherein the new defect management area include a range of physical address in a part of the track originally assigned to the at least one user data area, the part of the track being a free space in the user data area.

6.(Previously Presented) The device as claimed in claim 1, wherein the device comprises a contiguous recording detection unit for detecting a series of blocks having a continuous logical address range to be recorded in a corresponding allocated physical address range, and

the new defect management area is outside the allocated physical address range.

7.(Previously Presented) The device as claimed in claim 6, wherein the contiguous recording detection unit is configured for detecting a continuous recordings indicator in a recording command, or for detecting the series of blocks representing real-time information, or for detecting file system information for detecting that the series of blocks constitute a file.

8.(Previously Presented) A method of recording of information in blocks having

logical addresses located at a physical address in a track on a record carrier,

the logical addresses corresponding to physical addresses depending on defect management information,

track defects being detected and the defect management information being maintained in defect management areas on the record carrier, and

the defect management information including assignment information indicative of assignment of physical addresses in first parts of the track to at least one user data area, and assignment of physical addresses in second parts of the track to defect management areas, and the defect management information including remapping information indicative for translating a logical address initially mapped to a physical address exhibiting a defect to an alternate physical address in a defect management area,

the method comprising the acts of:

adapting the assignment information depending on a detected defect, detected during recording, by creating new defect management area having a starting physical address near the detected defect, wherein the new defect management area is preceded by a user data area or a free area and is followed by a user data area or a free area, a free area being an area free to be assigned either as a user data area or a new defect management area.

Claim 9 (Canceled)

10.(Previously Presented) The device of claim 1, wherein the new defect management area starts at a location of the detected defect.

11.(Withdrawn) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area until detection of at least a second detected defect.

12.(Withdrawn) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area until detection of an at least second detected defect and to create the new defect management area starting with a location of the at least second detected defect.

13.(Withdrawn) The device of claim 1, wherein the assignment unit is configured to delay creation of the new defect management area dependent on parameters including at least one of a distance from the detected defect to the previous defect management area, an amount of space left in the previous defect management area, and an amount of defects detected since the previous defect management area.

14.(Previously Presented) The method of claim 8, wherein the new defect

management area starts at a location of the detected defect.

15.(Withdrawn) The method of claim 8, wherein creation of the new defect management area is delayed until detection of at least a second detected defect.

16.(Withdrawn) The method of claim 8, wherein creation of the new defect management area is delayed until detection of an at least second detected defect and the new defect management area is created starting with a location of the at least second detected defect.

17.(Withdrawn) The method of claim 8, wherein creation of the new defect management area is delayed dependent on parameters including at least one of a distance from the detected defect to the previous defect management area, an amount of space left in the previous defect management area, and an amount of defects detected since the previous defect management area.

18.(Withdrawn) The method of claim 8, wherein the new defect management area includes the detected defect.

19.(Withdrawn) The method of claim 8, wherein the new defect management area

has a predefined size, or a size based on defect parameters of a preceding or following recording area, including at least one of an amount and distribution of defect management areas already assigned, an amount of user area between the new defect management area and a preceding or following defect management area, and/or detected defects.

20.(Withdrawn) The device of claim 1, wherein the new defect management area includes a first detected defect and a second detected defect and extends at least from the first detected defect through the second detected defect.

21.(Withdrawn) The method of claim 8, wherein the new defect management area includes a first detected defect and a second detected defect and extends at least from the first detected defect through the second detected defect.